

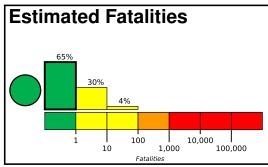




PAGER Version 2

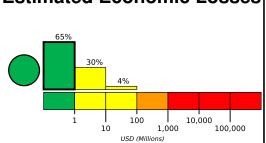
Created: 2 hours, 4 minutes after earthquake

M 5.7, 26 km S of Atiquipa, Peru Origin Time: 2020-12-27 07:11:10 UTC (Sun 02:11:10 local) Location: 16.0338° S 74.3425° W Depth: 34.0 km



Green alert for shaking-related fatalities Estimated Economic Losses and economic losses. There is a low likelihood of casualties and damage.



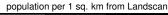


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		_*	313k	41k	11k	0	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	11-111	IV	V	VI	VII	VIII	IX	X+
PERCEIVED	SHAKING	Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

^{*}Estimated exposure only includes population within the map area.

Population Exposure





Structures

Overall, the population in this region resides in structures that are highly vulnerable to earthquake shaking, though some resistant structures exist. The predominant vulnerable building types are mud wall and reinforced/confined masonry construction.

Historical Earthquakes

Date	Dist.	Mag.	Max	Shaking
(UTC)	(km)		MMI(#)	Deaths
2001-12-04	218	5.8	VI(32k)	2
1981-04-18	324	5.5	VI(193k)	8
2007-08-15	382	8.0	VIII(493k)	514

Recent earthquakes in this area have caused secondary hazards such as landslides that might have contributed to losses.

Selected City Exposure

from GeoNames.org

MMI	City	Population
٧	Chala	<1k
IV	Atiquipa	<1k
IV	Yauca	<1k
IV	Tocota	<1k
IV	Achanizo	<1k
IV	Acari	4k
Ш	Minas de Marcona	15k
Ш	Coracora	7k
Ш	Nazca	24k
Ш	Puquio	10k
Ш	Camana	16k

bold cities appear on map.

(k = x1000)

Limitations of input data, shaking estimates, and loss models may add uncertainty. https://earthquake.usgs.gov/earthquakes/eventpage/us6000d3dr#pager

Event ID: us6000d3dr